

NOTICE

All drawings located at the end of the document.

**Industrial Area
Sampling and Analysis Plan
Fiscal Year 2002
Addendum #IA-02-05
IHSS Group 400-7**



April 2002

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Fiscal Year 2002
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Approval received from the Colorado Department of Public Health and Environment
April 15, 2002
Approval letter is contained in the Administrative Record

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ACRONYMS

FY	Fiscal Year
HPGe	high-purity germanium
HRR	Historical Release Report
IA	Industrial Area
IASAP	Industrial Area Sampling and Analysis Plan
IHSS	Individual Hazardous Substance Site
mg/kg	milligrams per kilograms
N/A	not applicable
NPWL	New Process Waste Lines
PAC	Potential Area of Concern
pCi/g	picocuries per gram
PCOC	potential contaminant of concern
SAP	Sampling and Analysis Plan
SVOC	semivolatile organic compound
TPH	total petroleum hydrocarbons
UBC	Under Building Contamination
VOC	volatile organic compound

1.0 INTRODUCTION

This Industrial Area (IA) Sampling and Analysis Plan (SAP) (IASAP) (DOE 2001) Addendum #IA-02-05 includes Individual Hazardous Substance Site (IHSS) Group-specific information, sampling locations, and potential contaminants of concern (PCOCs) for IHSSs, Potential Areas of Concern (PACs), and Under Building Contamination (UBC) Sites proposed for characterization during Fiscal Year (FY)02. This IASAP Addendum is a supplement to the IASAP (DOE 2001). The location of the IHSS Groups and IHSSs, PACs, and UBC Sites proposed for FY02 are shown on Figure 1.

This IASAP Addendum includes data and proposed sampling locations for the IHSS Groups and associated IHSSs, PACs, and UBC Sites listed in Table 1.

Table 1
IASAP Addendum #IA-02-05 IHSS Groups

IHSS Group	IHSS/PAC/UBC Site
400-7	UBC 442 – Filter Test Facility
	400-157 1 – Radioactive Site North Area
	400-129 – Building 443 Oil Leak
	400-187 – Sulfuric Acid Spill Building 443

2.0 EXISTING CHARACTERIZATION INFORMATION

Existing concentrations and activities above the background means plus two standard deviations, or method detection limits, are presented on maps in Section 4.0, where available. Table 2 presents the PCOCs. Existing data for the IHSSs, PACs, and UBC Sites are available in Appendix C to the IASAP (DOE 2001) and in the Industrial Area Data Summary Report (DOE 2000).

3.0 SAMPLING

The proposed sampling specifications (number and types of samples) for each IHSS, PAC, and UBC Site are listed in Table 3. Proposed new sampling locations are the starting point for IHSS Group characterization. After characterization starts, the number and type of samples may change based on sampling results. Changes to sampling specifications will be considered in consultation with the regulatory agencies.

Three types of sampling strategies are used to determine sampling locations: statistical, geostatistical, and biased. Statistical grids have computer-generated random start points and orientations. Additionally, the grids have been extended outside the IHSS, PAC, or UBC Site to provide additional sampling locations if needed. Biased samples are based on existing data and supplement the statistical grid locations. Geostatistical methods were not used at this IHSS Group.

Where a new sampling location overlaps or is adjacent to an existing sampling location, the existing sampling location data will be used during evaluation. Statistical sampling locations within a building footprint may be adjusted in the field, to collect samples from specific

building features

4.0 MAPS

Maps in this section are organized by IHSS Group and IHSS. All existing sampling locations and existing data, where available, are presented, followed by the proposed new sampling locations.

5.0 REFERENCES

DOE, 1992 – 2001, Historical Release Report for the Rocky Flats Plant, Golden, Colorado

DOE, 2000, Rocky Flats Environmental Technology Site Industrial Area Data Summary Report, Golden, Colorado, September

DOE, 2001, Industrial Area Sampling and Analysis Plan, Rocky Flats Environmental Technology Site, Golden, Colorado, June

Table 2
Potential Contaminants of Concern

DOE Group	IBSNPAC/IBCS Site	Radionuclides Metals SVOCs VOCs	Surface and Subsurface Soil	HRR s (DOE 1992-2001) Process knowledge (IASAP [DOE 2001])	Statistical grid
400-7	UBC 442 – Filter Test Facility	Radionuclides Metals SVOCs VOCs	Surface and Subsurface Soil	HRR s (DOE 1992-2001) Process knowledge (IASAP [DOE 2001])	Statistical grid
	400-157 1 – Radioactive Site North Area	Radionuclides Metals SVOCs VOCs	Surface and Subsurface Soil	Process knowledge (HRR) IA Data Summary Report (DOE 2000)	Statistical grid and biased sampling at valve vaults, NPWL, and sewer line
	400-129 – Building 443 Oil Leak	Radionuclides Metals TPH VOCs	Surface and Subsurface Soil	Process knowledge (HRR)	Statistical grid and biased sampling around tanks
	400-187 – Sulfuric Acid Spill Building 443	Radionuclides pH	Surface Soil	Process knowledge (HRR) IA Data Summary Report (DOE 2000)	Statistical grid and biased sampling at NPWL

HRR Historical Release Report
 NPWL New Process Waste Line
 PCOC potential contaminant of concern
 SVOC semi-volatile organic compound
 TPH total petroleum hydrocarbons
 VOC volatile organic compound

Table 3
Sampling Specifications

THS Location	IHSS/PA/UBC Site	Location Code	Event ID	Variable	Media	Depth Interval	Analyte	On Site Method	Off Site Laboratory Method
400-7	UBC 442 – Filter Test Facility	BX39-A003	2082272 661	749216 973	Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BX39-A003	2082272 661	749216 973	Surface Soil	0-0 5'	Metals	6200	6010
		BX39-A003	2082272 661	749216 973	Surface Soil	0-0 5'	SVOCs	N/A	8270
		BX39-B003	2082272 661	749216 973	Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
		BX39-B003	2082272 661	749216 973	Subsurface Soil	0 5'-2 5'	Metals	6200	6010
		BX39-B003	2082272 661	749216 973	Subsurface Soil	0 5'-2 5'	SVOCs	N/A	8270
		BX39-B003	2082272 661	749216 973	Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
		BX39-A006	2082304 215	749201 196	Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BX39-A006	2082304 215	749201 196	Surface Soil	0-0 5'	Metals	6200	6010
		BX39-A006	2082304 215	749201 196	Surface Soil	0-0 5'	SVOCs	N/A	8270
		BX39-B006	2082304 215	749201 196	Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
		BX39-B006	2082304 215	749201 196	Subsurface Soil	0 5'-2 5'	Metals	6200	6010
		BX39-B006	2082304 215	749201 196	Subsurface Soil	0 5'-2 5'	SVOCs	N/A	8270
		BX39-B006	2082304 215	749201 196	Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
		BX39-A007	2082302 638	749236 695	Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BX39-A007	2082302 638	749236 695	Surface Soil	0-0 5'	Metals	6200	6010
		BX39-A007	2082302 638	749236 695	Surface Soil	0-0 5'	SVOCs	N/A	8270
		BX39-B007	2082302 638	749236 695	Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
		BX39-B007	2082302 638	749236 695	Subsurface Soil	0 5'-2 5'	Metals	6200	6010
		BX39-B007	2082302 638	749236 695	Subsurface Soil	0 5'-2 5'	SVOCs	N/A	8270
		BX39-B007	2082302 638	749236 695	Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
	IHSS 157 I – Radioactive Site North Area	BX38-A002	2082247 417	749089 177	Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BX38-A002	2082247 417	749089 177	Surface Soil	0-0 5'	Metals	6200	6010
		BX38-A002	2082247 417	749089 177	Surface Soil	0-0 5'	SVOCs	N/A	8270
		BX38-B002	2082247 417	749089 177	Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
		BX38-B002	2082247 417	749089 177	Subsurface Soil	0 5'-2 5'	Metals	6200	6010
		BX38-B002	2082247 417	749089 177	Subsurface Soil	0 5'-2 5'	SVOCs	N/A	8270

CHSS County	IBSS/PAC/UBO Site	Location Code	Basting	Northing	Media	Depth Interval	Analyte	On Site Method	Off Site Laboratory Method
		BX38-B002	2082247 417	749089 177	Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
		BX38-A003	2082276 605	749145 187	Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BX38-A003	2082276 605	749145 187	Surface Soil	0-0 5'	Metals	6200	6010
		BX38-A003	2082276 605	749145 187	Surface Soil	0-0 5'	SVOCs	N/A	8270
		BX38-B003	2082276 605	749145 187	Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
		BX38-B003	2082276 605	749145 187	Subsurface Soil	0 5'-2 5'	Metals	6200	6010
		BX38-B003	2082276 605	749145 187	Subsurface Soil	0 5'-2 5'	SVOCs	N/A	8270
		BX38-B003	2082276 605	749145 187	Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
		BX38-A004	2082277 394	749109 688	Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BX38-A004	2082277 394	749109 688	Surface Soil	0-0 5'	Metals	6200	6010
		BX38-A004	2082277 394	749109 688	Surface Soil	0-0 5'	SVOCs	N/A	8270
		BX38-B004	2082277 394	749109 688	Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
		BX38-B004	2082277 394	749109 688	Subsurface Soil	0 5'-2 5'	Metals	6200	6010
		BX38-B004	2082277 394	749109 688	Subsurface Soil	0 5'-2 5'	SVOCs	N/A	8270
		BX38-B004	2082277 394	749109 688	Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
		BX38-A005	2082278 972	749073 400	Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BX38-A005	2082278 972	749073 400	Surface Soil	0-0 5'	Metals	6200	6010
		BX38-A005	2082278 972	749073 400	Surface Soil	0-0 5'	SVOCs	N/A	8270
		BX38-B005	2082278 972	749073 400	Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
		BX38-B005	2082278 972	749073 400	Subsurface Soil	0 5'-2 5'	Metals	6200	6010
		BX38-B005	2082278 972	749073 400	Subsurface Soil	0 5'-2 5'	SVOCs	N/A	8270
		BX38-B005	2082278 972	749073 400	Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
		BX38-A006	2082309 737	749093 122	Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BX38-A006	2082309 737	749093 122	Surface Soil	0-0 5'	Metals	6200	6010
		BX38-A006	2082309 737	749093 122	Surface Soil	0-0 5'	SVOCs	N/A	8270
		BX38-B006	2082309 737	749093 122	Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
		BX38-B006	2082309 737	749093 122	Subsurface Soil	0 5'-2 5'	Metals	6200	6010
		BX38-B006	2082309 737	749093 122	Subsurface Soil	0 5'-2 5'	SVOCs	N/A	8270
		BX38-B006	2082309 737	749093 122	Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
		BX39-A000	2082243 473	749161 753	Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BX39-A000	2082243 473	749161 753	Surface Soil	0-0 5'	Metals	6200	6010

Site ID	Location Code	Latitude	Longitude	Nothing	Media	Depth Interval	Analyte	On Site Method	Off Site Laboratory Method
	BX39-A000	2082243 473	749161 753		Surface Soil	0-0 5'	SVOCs	N/A	8270
	BX39-B000	2082243 473	749161 753		Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
	BX39-B000	2082243 473	749161 753		Subsurface Soil	0 5'-2 5'	Metals	6200	6010
	BX39-B000	2082243 473	749161 753		Subsurface Soil	0 5'-2 5'	SVOCs	N/A	8270
	BX39-B000	2082243 473	749161 753		Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
	BX39-A001	2082267 928	749289 549		Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
	BX39-A001	2082267 928	749289 549		Surface Soil	0-0 5'	Metals	6200	6010
	BX39-A001	2082267 928	749289 549		Surface Soil	0-0 5'	SVOCs	N/A	8270
	BX39-B001	2082267 928	749289 549		Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
	BX39-B001	2082267 928	749289 549		Subsurface Soil	0 5'-2 5'	Metals	6200	6010
	BX39-B001	2082267 928	749289 549		Subsurface Soil	0 5'-2 5'	SVOCs	N/A	8270
	BX39-B001	2082267 928	749289 549		Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
	BX39-A002	2082270 294	749253 261		Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
	BX39-A002	2082270 294	749253 261		Surface Soil	0-0 5'	Metals	6200	6010
	BX39-A002	2082270 294	749253 261		Surface Soil	0-0 5'	SVOCs	N/A	8270
	BX39-B002	2082270 294	749253 261		Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
	BX39-B002	2082270 294	749253 261		Subsurface Soil	0 5'-2 5'	Metals	6200	6010
	BX39-B002	2082270 294	749253 261		Subsurface Soil	0 5'-2 5'	SVOCs	N/A	8270
	BX39-B002	2082270 294	749253 261		Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
	BX39-A004	2082273 450	749180 686		Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
	BX39-A004	2082273 450	749180 686		Surface Soil	0-0 5'	Metals	6200	6010
	BX39-A004	2082273 450	749180 686		Surface Soil	0-0 5'	SVOCs	N/A	8270
	BX39-B004	2082273 450	749180 686		Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
	BX39-B004	2082273 450	749180 686		Subsurface Soil	0 5'-2 5'	Metals	6200	6010
	BX39-B004	2082273 450	749180 686		Subsurface Soil	0 5'-2 5'	SVOCs	N/A	8270
	BX39-B004	2082273 450	749180 686		Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
	BX39-A005	2082305 793	749164 908		Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
	BX39-A005	2082305 793	749164 908		Surface Soil	0-0 5'	Metals	6200	6010
	BX39-A005	2082305 793	749164 908		Surface Soil	0-0 5'	SVOCs	N/A	8270
	BX39-B005	2082305 793	749164 908		Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
	BX39-B005	2082305 793	749164 908		Subsurface Soil	0 5'-2 5'	Metals	6200	6010

IBS Group	IBS PAC/UBC Site	Location Code	Accession Number	Sampling Date	Normalizing Factor	Media	Depth Interval	Analyte	On Site Method	Off Site Laboratory Method
		BX39-B005	2082305 793	749164 908		Subsurface Soil	0 5'-2 5'	SVOCs	N/A	8270
		BX39-B005	2082305 793	749164 908		Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
		BX39-A008	2082301 060	749272 982		Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BX39-A008	2082301 060	749272 982		Surface Soil	0-0 5'	Metals	6200	6010
		BX39-A008	2082301 060	749272 982		Surface Soil	0-0 5'	SVOCs	N/A	8270
		BX39-B008	2082301 060	749272 982		Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
		BX39-B008	2082301 060	749272 982		Subsurface Soil	0 5'-2 5'	Metals	6200	6010
		BX39-B008	2082301 060	749272 982		Subsurface Soil	0 5'-2 5'	SVOCs	N/A	8270
		BX39-B008	2082301 060	749272 982		Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
		BX39-A009	2082331 037	749292 704		Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BX39-A009	2082331 037	749292 704		Surface Soil	0-0 5'	Metals	6200	6010
		BX39-A009	2082331 037	749292 704		Surface Soil	0-0 5'	SVOCs	N/A	8270
		BX39-B009	2082331 037	749292 704		Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
		BX39-B009	2082331 037	749292 704		Subsurface Soil	0 5'-2 5'	Metals	6200	6010
		BX39-B009	2082331 037	749292 704		Subsurface Soil	0 5'-2 5'	SVOCs	N/A	8270
		BX39-B009	2082331 037	749292 704		Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
		BX39-A010	2082333 403	749256 416		Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BX39-A010	2082333 403	749256 416		Surface Soil	0-0 5'	Metals	6200	6010
		BX39-A010	2082333 403	749256 416		Surface Soil	0-0 5'	SVOCs	N/A	8270
		BX39-B010	2082333 403	749256 416		Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
		BX39-B010	2082333 403	749256 416		Subsurface Soil	0 5'-2 5'	Metals	6200	6010
		BX39-B010	2082333 403	749256 416		Subsurface Soil	0 5'-2 5'	SVOCs	N/A	8270
		BX39-B010	2082333 403	749256 416		Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
		BX39-A011	2082334 981	749219 340		Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BX39-A011	2082334 981	749219 340		Surface Soil	0-0 5'	Metals	6200	6010
		BX39-A011	2082334 981	749219 340		Surface Soil	0-0 5'	SVOCs	N/A	8270
		BX39-B011	2082334 981	749219 340		Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
		BX39-B011	2082334 981	749219 340		Subsurface Soil	0 5'-2 5'	Metals	6200	6010
		BX39-B011	2082334 981	749219 340		Subsurface Soil	0 5'-2 5'	SVOCs	N/A	8270
		BX39-B011	2082334 981	749219 340		Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
		BX39-A012	2082336 559	749184 630		Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec

THSS Group	THSS PAC/BBC Site	Location Code	Latitude	Northing	Media	Depth Interval	Analyte	On Site Method	Off Site Laboratory Method
		BX39-A012	2082336 559	749184 630	Surface Soil	0-0 5'	Metals	6200	6010
		BX39-A012	2082336 559	749184 630	Surface Soil	0-0 5'	SVOCs	N/A	8270
		BX39-B012	2082336 559	749184 630	Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
		BX39-B012	2082336 559	749184 630	Subsurface Soil	0 5'-2 5'	Metals	6200	6010
		BX39-B012	2082336 559	749184 630	Subsurface Soil	0 5'-2 5'	SVOCs	N/A	8270
		BX39-B012	2082336 559	749184 630	Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
		BY38-A001	2082338 136	749148 342	Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BY38-A001	2082338 136	749148 342	Surface Soil	0-0 5'	Metals	6200	6010
		BY38-A001	2082338 136	749148 342	Surface Soil	0-0 5'	SVOCs	N/A	8270
		BY38-B001	2082338 136	749148 342	Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
		BY38-B001	2082338 136	749148 342	Subsurface Soil	0 5'-2 5'	Metals	6200	6010
		BY38-B001	2082338 136	749148 342	Subsurface Soil	0 5'-2 5'	SVOCs	N/A	8270
		BY38-B001	2082338 136	749148 342	Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
		BY38-A002	2082339 714	749112 843	Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BY38-A002	2082339 714	749112 843	Surface Soil	0-0 5'	Metals	6200	6010
		BY38-A002	2082339 714	749112 843	Surface Soil	0-0 5'	SVOCs	N/A	8270
		BY38-B002	2082339 714	749112 843	Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
		BY38-B002	2082339 714	749112 843	Subsurface Soil	0 5'-2 5'	Metals	6200	6010
		BY38-B002	2082339 714	749112 843	Subsurface Soil	0 5'-2 5'	SVOCs	N/A	8270
		BY38-B002	2082339 714	749112 843	Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
		BY38-A003	2082341 292	749076 556	Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BY38-A003	2082341 292	749076 556	Surface Soil	0-0 5'	Metals	6200	6010
		BY38-A003	2082341 292	749076 556	Surface Soil	0-0 5'	SVOCs	N/A	8270
		BY38-B003	2082341 292	749076 556	Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
		BY38-B003	2082341 292	749076 556	Subsurface Soil	0 5'-2 5'	Metals	6200	6010
		BY38-B003	2082341 292	749076 556	Subsurface Soil	0 5'-2 5'	SVOCs	N/A	8270
		BY38-B003	2082341 292	749076 556	Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
		BY38-A004	2082372 057	749096 277	Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BY38-A004	2082372 057	749096 277	Surface Soil	0-0 5'	Metals	6200	6010
		BY38-A004	2082372 057	749096 277	Surface Soil	0-0 5'	SVOCs	N/A	8270
		BY38-B004	2082372 057	749096 277	Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec

IRIS Group	HESSPA/CDBG Site	Location Code	Latitude	Longitude	Depth Interval	Media	Analysis	On-Site Laboratory Method
		BY38-B004	2082372 057	749096 277	0 5'-2 5'	Subsurface Soil	Metals	6200
		BY38-B004	2082372 057	749096 277	0 5'-2 5'	Subsurface Soil	SVOCs	N/A
		BY38-B004	2082372 057	749096 277	0 5'-2 5'	Subsurface Soil	VOCs	8260
		BY38-A005	2082402 823	749079 711	0-0 5'	Surface Soil	Radionuclides	HPGe
		BY38-A005	2082402 823	749079 711	0-0 5'	Surface Soil	Metals	6200
		BY38-A005	2082402 823	749079 711	0-0 5'	Surface Soil	SVOCs	N/A
		BY38-B005	2082402 823	749079 711	0 5'-2 5'	Subsurface Soil	Radionuclides	HPGe
		BY38-B005	2082402 823	749079 711	0 5'-2 5'	Subsurface Soil	Metals	6200
		BY38-B005	2082402 823	749079 711	0 5'-2 5'	Subsurface Soil	SVOCs	N/A
		BY38-B005	2082402 823	749079 711	0 5'-2 5'	Subsurface Soil	VOCs	8260
		BY38-A006	2082402 034	749115 210	0-0 5'	Surface Soil	Radionuclides	HPGe
		BY38-A006	2082402 034	749115 210	0-0 5'	Surface Soil	Metals	6200
		BY38-A006	2082402 034	749115 210	0-0 5'	Surface Soil	SVOCs	N/A
		BY38-B006	2082402 034	749115 210	0 5'-2 5'	Subsurface Soil	Radionuclides	HPGe
		BY38-B006	2082402 034	749115 210	0 5'-2 5'	Subsurface Soil	Metals	6200
		BY38-B006	2082402 034	749115 210	0 5'-2 5'	Subsurface Soil	SVOCs	N/A
		BY38-B006	2082402 034	749115 210	0 5'-2 5'	Subsurface Soil	VOCs	8260
		BY38-A007	2082401 245	749152 286	0-0 5'	Surface Soil	Radionuclides	HPGe
		BY38-A007	2082401 245	749152 286	0-0 5'	Surface Soil	Metals	6200
		BY38-A007	2082401 245	749152 286	0-0 5'	Surface Soil	SVOCs	N/A
		BY38-B007	2082401 245	749152 286	0 5'-2 5'	Subsurface Soil	Radionuclides	HPGe
		BY38-B007	2082401 245	749152 286	0 5'-2 5'	Subsurface Soil	Metals	6200
		BY38-B007	2082401 245	749152 286	0 5'-2 5'	Subsurface Soil	SVOCs	N/A
		BY38-B007	2082401 245	749152 286	0 5'-2 5'	Subsurface Soil	VOCs	8260
		BY39-A000	2082368 902	749168 064	0-0 5'	Surface Soil	Radionuclides	HPGe
		BY39-A000	2082368 902	749168 064	0-0 5'	Surface Soil	Metals	6200
		BY39-A000	2082368 902	749168 064	0-0 5'	Surface Soil	SVOCs	N/A
		BY39-B000	2082368 902	749168 064	0 5'-2 5'	Subsurface Soil	Radionuclides	HPGe
		BY39-B000	2082368 902	749168 064	0 5'-2 5'	Subsurface Soil	Metals	6200
		BY39-B000	2082368 902	749168 064	0 5'-2 5'	Subsurface Soil	SVOCs	N/A
		BY39-B000	2082368 902	749168 064	0 5'-2 5'	Subsurface Soil	VOCs	8260

IHS Group	IHS/ACI/BC Site	Location Code	Latitude	Longitude	Media	Depth Interval	Analyte	On Site Method	Off Site Laboratory Method
		BY39-A001	2082366 535	749203 563	Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BY39-A001	2082366 535	749203 563	Surface Soil	0-0 5'	Metals	6200	6010
		BY39-A001	2082366 535	749203 563	Surface Soil	0-0 5'	SVOCs	N/A	8270
		BY39-B001	2082366 535	749203 563	Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
		BY39-B001	2082366 535	749203 563	Subsurface Soil	0 5'-2 5'	Metals	6200	6010
		BY39-B001	2082366 535	749203 563	Subsurface Soil	0 5'-2 5'	SVOCs	N/A	8270
		BY39-B001	2082366 535	749203 563	Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
		BY39-A002	2082364 958	749239 061	Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BY39-A002	2082364 958	749239 061	Surface Soil	0-0 5'	Metals	6200	6010
		BY39-A002	2082364 958	749239 061	Surface Soil	0-0 5'	SVOCs	N/A	8270
		BY39-B002	2082364 958	749239 061	Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
		BY39-B002	2082364 958	749239 061	Subsurface Soil	0 5'-2 5'	Metals	6200	6010
		BY39-B002	2082364 958	749239 061	Subsurface Soil	0 5'-2 5'	SVOCs	N/A	8270
		BY39-B002	2082364 958	749239 061	Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
		BY39-A003	2082363 380	749275 349	Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BY39-A003	2082363 380	749275 349	Surface Soil	0-0 5'	Metals	6200	6010
		BY39-A003	2082363 380	749275 349	Surface Soil	0-0 5'	SVOCs	N/A	8270
		BY39-B003	2082363 380	749275 349	Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
		BY39-B003	2082363 380	749275 349	Subsurface Soil	0 5'-2 5'	Metals	6200	6010
		BY39-B003	2082363 380	749275 349	Subsurface Soil	0 5'-2 5'	SVOCs	N/A	8270
		BY39-B003	2082363 380	749275 349	Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
		BY39-A004	2082398 879	749186 996	Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BY39-A004	2082398 879	749186 996	Surface Soil	0-0 5'	Metals	6200	6010
		BY39-A004	2082398 879	749186 996	Surface Soil	0-0 5'	SVOCs	N/A	8270
		BY39-B004	2082398 879	749186 996	Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
		BY39-B004	2082398 879	749186 996	Subsurface Soil	0 5'-2 5'	Metals	6200	6010
		BY39-B004	2082398 879	749186 996	Subsurface Soil	0 5'-2 5'	SVOCs	N/A	8270
		BY39-B004	2082398 879	749186 996	Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
		BY39-A005	2082398 090	749223 284	Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BY39-A005	2082398 090	749223 284	Surface Soil	0-0 5'	Metals	6200	6010
		BY39-A005	2082398 090	749223 284	Surface Soil	0-0 5'	SVOCs	N/A	8270

ESS Group	ESSPEC SUBC Site	Accession #	Sample ID	Surveys	Media	Depth Interval	Analyte	On Site Method	Off Site Laboratory Method
		BY39-B005	2082398 090	749223 284	Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
		BY39-B005	2082398 090	749223 284	Subsurface Soil	0 5'-2 5'	Metals	6200	6010
		BY39-B005	2082398 090	749223 284	Subsurface Soil	0 5'-2 5'	SVOCs	N/A	8270
		BY39-B005	2082398 090	749223 284	Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
		BY39-A006	2082394 935	749258 783	Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BY39-A006	2082394 935	749258 783	Surface Soil	0-0 5'	Metals	6200	6010
		BY39-A006	2082394 935	749258 783	Surface Soil	0-0 5'	SVOCs	N/A	8270
		BY39-B006	2082394 935	749258 783	Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
		BY39-B006	2082394 935	749258 783	Subsurface Soil	0 5'-2 5'	Metals	6200	6010
		BY39-B006	2082394 935	749258 783	Subsurface Soil	0 5'-2 5'	SVOCs	N/A	8270
		BY39-B006	2082394 935	749258 783	Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
		BY39-A007	2082425 700	749278 505	Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BY39-A007	2082425 700	749278 505	Surface Soil	0-0 5'	Metals	6200	6010
		BY39-A007	2082425 700	749278 505	Surface Soil	0-0 5'	SVOCs	N/A	8270
		BY39-B007	2082425 700	749278 505	Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
		BY39-B007	2082425 700	749278 505	Subsurface Soil	0 5'-2 5'	Metals	6200	6010
		BY39-B007	2082425 700	749278 505	Subsurface Soil	0 5'-2 5'	SVOCs	N/A	8270
		BY39-B007	2082425 700	749278 505	Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
		BY39-A008	2082457 255	749262 727	Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BY39-A008	2082457 255	749262 727	Surface Soil	0-0 5'	Metals	6200	6010
		BY39-A008	2082457 255	749262 727	Surface Soil	0-0 5'	SVOCs	N/A	8270
		BY39-B008	2082457 255	749262 727	Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
		BY39-B008	2082457 255	749262 727	Subsurface Soil	0 5'-2 5'	Metals	6200	6010
		BY39-B008	2082457 255	749262 727	Subsurface Soil	0 5'-2 5'	SVOCs	N/A	8270
		BY39-B008	2082457 255	749262 727	Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
		BY39-A009	2082488 020	749282 449	Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BY39-A009	2082488 020	749282 449	Surface Soil	0-0 5'	Metals	6200	6010
		BY39-A009	2082488 020	749282 449	Surface Soil	0-0 5'	SVOCs	N/A	8270
		BY39-B009	2082488 020	749282 449	Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
		BY39-B009	2082488 020	749282 449	Subsurface Soil	0 5'-2 5'	Metals	6200	6010
		BY39-B009	2082488 020	749282 449	Subsurface Soil	0 5'-2 5'	SVOCs	N/A	8270

IBS County	IBS Site	Location	IBS ID	IBS ID	IBS ID	Media	Depth Interval	Analysis	On-Site Method	Off-Site Laboratory Method
		BY39-B009	2082488 020	749282 449	Subsurface Soil	0 5'-2 5'	VOCs	8260	8260	Alpha Spec
		BY39-A010	2082519 575	749265 094	Surface Soil	0-0 5'	Radionuclides	HPGe	HPGe	Alpha Spec
		BY39-A010	2082519 575	749265 094	Surface Soil	0-0 5'	Metals	6200	6200	6010
		BY39-A010	2082519 575	749265 094	Surface Soil	0-0 5'	SVOCs	N/A	N/A	8270
		BY39-B010	2082519 575	749265 094	Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	HPGe	Alpha Spec
		BY39-B010	2082519 575	749265 094	Subsurface Soil	0 5'-2 5'	Metals	6200	6200	6010
		BY39-B010	2082519 575	749265 094	Subsurface Soil	0 5'-2 5'	SVOCs	N/A	N/A	8270
		BY39-B010	2082519 575	749265 094	Subsurface Soil	0 5'-2 5'	VOCs	8260	8260	8260
		BZ39-A000	2082551 129	749284 815	Surface Soil	0-0 5'	Radionuclides	HPGe	HPGe	Alpha Spec
		BZ39-A000	2082551 129	749284 815	Surface Soil	0-0 5'	Metals	6200	6200	6010
		BZ39-A000	2082551 129	749284 815	Surface Soil	0-0 5'	SVOCs	N/A	N/A	8270
		BZ39-B000	2082551 129	749284 815	Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	HPGe	Alpha Spec
		BZ39-B000	2082551 129	749284 815	Subsurface Soil	0 5'-2 5'	Metals	6200	6200	6010
		BZ39-B000	2082551 129	749284 815	Subsurface Soil	0 5'-2 5'	SVOCs	N/A	N/A	8270
		BZ39-B000	2082551 129	749284 815	Subsurface Soil	0 5'-2 5'	VOCs	8260	8260	8260
		BZ39-A001	2082581 895	749267 460	Surface Soil	0-0 5'	Radionuclides	HPGe	HPGe	Alpha Spec
		BZ39-A001	2082581 895	749267 460	Surface Soil	0-0 5'	Metals	6200	6200	6010
		BZ39-A001	2082581 895	749267 460	Surface Soil	0-0 5'	SVOCs	N/A	N/A	8270
		BZ39-B001	2082581 895	749267 460	Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	HPGe	Alpha Spec
		BZ39-B001	2082581 895	749267 460	Subsurface Soil	0 5'-2 5'	Metals	6200	6200	6010
		BZ39-B001	2082581 895	749267 460	Subsurface Soil	0 5'-2 5'	SVOCs	N/A	N/A	8270
		BZ39-B001	2082581 895	749267 460	Subsurface Soil	0 5'-2 5'	VOCs	8260	8260	8260
		BZ39-A002	2082612 661	749287 971	Surface Soil	0-0 5'	Radionuclides	HPGe	HPGe	Alpha Spec
		BZ39-A002	2082612 661	749287 971	Surface Soil	0-0 5'	Metals	6200	6200	6010
		BZ39-A002	2082612 661	749287 971	Surface Soil	0-0 5'	SVOCs	N/A	N/A	8270
		BZ39-B002	2082612 661	749287 971	Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	HPGe	Alpha Spec
		BZ39-B002	2082612 661	749287 971	Subsurface Soil	0 5'-2 5'	Metals	6200	6200	6010
		BZ39-B002	2082612 661	749287 971	Subsurface Soil	0 5'-2 5'	SVOCs	N/A	N/A	8270
		BZ39-B002	2082612 661	749287 971	Subsurface Soil	0 5'-2 5'	VOCs	8260	8260	8260
		BZ39-A003	2082643 426	749271 405	Surface Soil	0-0 5'	Radionuclides	HPGe	HPGe	Alpha Spec
		BZ39-A003	2082643 426	749271 405	Surface Soil	0-0 5'	Metals	6200	6200	6010

Site	Subsite	Location Code	Accession Number	Northings	Media	Depth Interval	Analyte	On Site Method	Off Site Laboratory Method
		BZ39-A003	2082643 426	749271 405	Surface Soil	0-0 5'	SVOCs	N/A	8270
		BZ39-B003	2082643 426	749271 405	Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
		BZ39-B003	2082643 426	749271 405	Subsurface Soil	0 5'-2 5'	Metals	6200	6010
		BZ39-B003	2082643 426	749271 405	Subsurface Soil	0 5'-2 5'	SVOCs	N/A	8270
		BZ39-B003	2082643 426	749271 405	Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
		BZ39-A004	2082674 192	749291 126	Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BZ39-A004	2082674 192	749291 126	Surface Soil	0-0 5'	Metals	6200	6010
		BZ39-A004	2082674 192	749291 126	Surface Soil	0-0 5'	SVOCs	N/A	8270
		BZ39-B004	2082674 192	749291 126	Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
		BZ39-B004	2082674 192	749291 126	Subsurface Soil	0 5'-2 5'	Metals	6200	6010
		BZ39-B004	2082674 192	749291 126	Subsurface Soil	0 5'-2 5'	SVOCs	N/A	8270
		BZ39-B004	2082674 192	749291 126	Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
		BZ39-A005	2082706 535	749274 560	Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BZ39-A005	2082706 535	749274 560	Surface Soil	0-0 5'	Metals	6200	6010
		BZ39-A005	2082706 535	749274 560	Surface Soil	0-0 5'	SVOCs	N/A	8270
		BZ39-B005	2082706 535	749274 560	Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
		BZ39-B005	2082706 535	749274 560	Subsurface Soil	0 5'-2 5'	Metals	6200	6010
		BZ39-B005	2082706 535	749274 560	Subsurface Soil	0 5'-2 5'	SVOCs	N/A	8270
		BZ39-B005	2082706 535	749274 560	Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
		CA39-A000	2082768 855	749276 138	Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		CA39-A000	2082768 855	749276 138	Surface Soil	0-0 5'	Metals	6200	6010
NPWL Characterization		CA39-A000	2082768 855	749276 138	Surface Soil	0-0 5'	SVOCs	N/A	8270
		CA39-B000	2082768 855	749276 138	Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
		CA39-B000	2082768 855	749276 138	Subsurface Soil	0 5'-2 5'	Metals	6200	6010
		CA39-B000	2082768 855	749276 138	Subsurface Soil	0 5'-2 5'	SVOCs	N/A	8270
		CA39-B000	2082768 855	749276 138	Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
		BX38-A000	2082245 051	749127 043	Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BX38-A000	2082245 051	749127 043	Surface Soil	0-0 5'	Metals	6200	6010
		BX38-A000	2082245 051	749127 043	Surface Soil	0-0 5'	SVOCs	N/A	8270
		BX38-B000	2082245 051	749127 043	Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
		BX38-B000	2082245 051	749127 043	Subsurface Soil	0 5'-2 5'	Metals	6200	6010

IBNS County	IBNS-PA-CUBC Site	Location	Sample	Depth Interval	Media	On Site Method	Off Site Laboratory Method			
		BX38-B000	2082245 051	749127 043	0 5'-2 5'	Subsurface Soil	SVOCs	N/A		
		BX38-B000	2082245 051	749127 043	0 5'-2 5'	Subsurface Soil	VOCs	8260		
		BX38-D000	2082245 051	749127 043	4 5'-6 5'	Subsurface Soil	Radionuclides	HPGe		
		BX38-D000	2082245 051	749127 043	4 5'-6 5'	Subsurface Soil	Metals	6200		
		BX38-D000	2082245 051	749127 043	4 5'-6 5'	Subsurface Soil	SVOCs	N/A		
		BX38-D000	2082245 051	749127 043	4 5'-6 5'	Subsurface Soil	VOCs	8260		
		BX38-A001	2082307 371	749129 409	0-0 5'	Surface Soil	Radionuclides	HPGe		
		BX38-A001	2082307 371	749129 409	0-0 5'	Surface Soil	Metals	6200		
		BX38-A001	2082307 371	749129 409	0-0 5'	Surface Soil	SVOCs	N/A		
		BX38-B001	2082307 371	749129 409	0 5'-2 5'	Subsurface Soil	Radionuclides	HPGe		
		BX38-B001	2082307 371	749129 409	0 5'-2 5'	Subsurface Soil	Metals	6200		
		BX38-B001	2082307 371	749129 409	0 5'-2 5'	Subsurface Soil	SVOCs	N/A		
		BX38-B001	2082307 371	749129 409	0 5'-2 5'	Subsurface Soil	VOCs	8260		
		BX38-D001	2082307 371	749129 409	4 5'-6 5'	Subsurface Soil	Radionuclides	HPGe		
		BX38-D001	2082307 371	749129 409	4 5'-6 5'	Subsurface Soil	Metals	6200		
		BX38-D001	2082307 371	749129 409	4 5'-6 5'	Subsurface Soil	SVOCs	N/A		
		BX38-D001	2082307 371	749129 409	4 5'-6 5'	Subsurface Soil	VOCs	8260		
		BY38-A000	2082369 691	749131 776	0-0 5'	Surface Soil	Radionuclides	HPGe		
		BY38-A000	2082369 691	749131 776	0-0 5'	Surface Soil	Metals	6200		
		BY38-A000	2082369 691	749131 776	0-0 5'	Surface Soil	SVOCs	N/A		
		BY38-A000	2082369 691	749131 776	0-0 5'	Surface Soil	VOCs	8260		
		BY38-B000	2082369 691	749131 776	0 5'-2 5'	Subsurface Soil	Radionuclides	HPGe		
		BY38-B000	2082369 691	749131 776	0 5'-2 5'	Subsurface Soil	Metals	6200		
		BY38-B000	2082369 691	749131 776	0 5'-2 5'	Subsurface Soil	SVOCs	N/A		
		BY38-B000	2082369 691	749131 776	0 5'-2 5'	Subsurface Soil	VOCs	8260		
		BY38-D000	2082369 691	749131 776	4 5'-6 5'	Subsurface Soil	Radionuclides	HPGe		
		BY38-D000	2082369 691	749131 776	4 5'-6 5'	Subsurface Soil	Metals	6200		
		BY38-D000	2082369 691	749131 776	4 5'-6 5'	Subsurface Soil	SVOCs	N/A		
		BY38-D000	2082369 691	749131 776	4 5'-6 5'	Subsurface Soil	VOCs	8260		
		Valve Vault 20 Characterization		BX38-A011	2082218 229	749130 987	0-0 5'	Surface Soil	Radionuclides	HPGe
				BX38-A011	2082218 229	749130 987	0-0 5'	Surface Soil	Metals	6200
				BX38-A011	2082218 229	749130 987	0-0 5'	Surface Soil	SVOCs	N/A
				BX38-A011	2082218 229	749130 987	0-0 5'	Surface Soil	VOCs	8260

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THSS Group	THSS PAC/DBG Site	Location Code	Bottom	North	Media	Depth Interval	Analyte	On Site Method	Off Site Laboratory Method
Sanitary Sewer Characterization (at building join)		BX38-B011	2082218 229	749130 987	Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
		BX38-B011	2082218 229	749130 987	Subsurface Soil	0 5'-2 5'	Metals	6200	6010
		BX38-B011	2082218 229	749130 987	Subsurface Soil	0 5'-2 5'	SVOCs	N/A	8270
		BX38-B011	2082218 229	749130 987	Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
		BX38-D011	2082218 229	749130 987	Subsurface Soil	4 5'-6 5'	Radionuclides	HPGe	Alpha Spec
		BX38-D011	2082218 229	749130 987	Subsurface Soil	4 5'-6 5'	Metals	6200	6010
		BX38-D011	2082218 229	749130 987	Subsurface Soil	4 5'-6 5'	SVOCs	N/A	8270
		BX38-D011	2082218 229	749130 987	Subsurface Soil	4 5'-6 5'	VOCs	8260	8260
		BX39-C017	2082268 629	749234 223	Subsurface Soil	2 5'-4 5'	Radionuclides	HPGe	Alpha Spec
		BX39-C017	2082268 629	749234 223	Subsurface Soil	2 5'-4 5'	Metals	6200	6010
		BX39-C018	2082240 616	749234 223	Subsurface Soil	2 5'-4 5'	Radionuclides	HPGe	Alpha Spec
		BX39-C018	2082240 616	749234 223	Subsurface Soil	2 5'-4 5'	Metals	6200	6010
		BX38-A008	2082181 153	749158 597	Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BX38-A008	2082181 153	749158 597	Surface Soil	0-0 5'	Metals	6200	6010
		BX38-A008	2082181 153	749158 597	Surface Soil	0-0 5'	TPH	N/A	418 1
		BX38-B008	2082181 153	749158 597	Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
		BX38-B008	2082181 153	749158 597	Subsurface Soil	0 5'-2 5'	Metals	6200	6010
IHSS 129 - Building 443 Oil Leak		BX38-B008	2082181 153	749158 597	Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
		BX38-B008	2082181 153	749158 597	Subsurface Soil	0 5'-2 5'	TPH	N/A	418 1
		BX38-K008	2082181 153	749158 597	Subsurface Soil	18 5'-20 5'	Radionuclides	HPGe	Alpha Spec
		BX38-K008	2082181 153	749158 597	Subsurface Soil	18 5'-20 5'	Metals	6200	6010
		BX38-K008	2082181 153	749158 597	Subsurface Soil	18 5'-20 5'	VOCs	8260	8260
		BX38-K008	2082181 153	749158 597	Subsurface Soil	18 5'-20 5'	TPH	N/A	418 1
		BX38-A009	2082185 097	749087 600	Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BX38-A009	2082185 097	749087 600	Surface Soil	0-0 5'	Metals	6200	6010
		BX38-A009	2082185 097	749087 600	Surface Soil	0-0 5'	TPH	N/A	418 1
		BX38-B009	2082185 097	749087 600	Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
		BX38-B009	2082185 097	749087 600	Subsurface Soil	0 5'-2 5'	Metals	6200	6010
		BX38-B009	2082185 097	749087 600	Subsurface Soil	0 5'-2 5'	VOCs	8260	8260

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IBS Camp	IBS/PA/CB/BS Site	Location Code	Northings	Media	Depth Interval	Analyte	On-Site Method	Off-Site Laboratory Method
		BX38-B009	2082185 097	Subsurface Soil	0 5'-2 5'	TPH	N/A	418 1
		BX38-K009	2082185 097	Subsurface Soil	18 5'-20 5'	Radionuclides	HPGe	Alpha Spec
		BX38-K009	2082185 097	Subsurface Soil	18 5'-20 5'	Metals	6200	6010
		BX38-K009	2082185 097	Subsurface Soil	18 5'-20 5'	VOCs	8260	8260
		BX38-K009	2082185 097	Subsurface Soil	18 5'-20 5'	TPH	N/A	418 1
		BX38-A010	2082185 097	Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BX38-A010	2082185 097	Surface Soil	0-0 5'	Metals	6200	6010
		BX38-A010	2082185 097	Surface Soil	0-0 5'	TPH	N/A	418 1
		BX38-B010	2082185 097	Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
		BX38-B010	2082185 097	Subsurface Soil	0 5'-2 5'	Metals	6200	6010
		BX38-B010	2082185 097	Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
		BX38-B010	2082185 097	Subsurface Soil	0 5'-2 5'	TPH	N/A	418 1
		BX38-K010	2082185 097	Subsurface Soil	18 5'-20 5'	Radionuclides	HPGe	Alpha Spec
		BX38-K010	2082185 097	Subsurface Soil	18 5'-20 5'	Metals	6200	6010
		BX38-K010	2082185 097	Subsurface Soil	18 5'-20 5'	VOCs	8260	8260
		BX39-A013	2082179 575	Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BX39-A013	2082179 575	Surface Soil	0-0 5'	TPH	N/A	418 1
		BX39-A013	2082179 575	Surface Soil	0-0 5'	Metals	6200	6010
		BX39-B013	2082179 575	Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
		BX39-B013	2082179 575	Subsurface Soil	0 5'-2 5'	Metals	6200	6010
		BX39-B013	2082179 575	Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
		BX39-B013	2082179 575	Subsurface Soil	0 5'-2 5'	TPH	N/A	418 1
		BX39-K013	2082179 575	Subsurface Soil	18 5'-20 5'	Radionuclides	HPGe	Alpha Spec
		BX39-K013	2082179 575	Subsurface Soil	18 5'-20 5'	Metals	6200	6010
	BX39-K013	2082179 575	Subsurface Soil	18 5'-20 5'	VOCs	8260	8260	
	BX39-K013	2082179 575	Subsurface Soil	18 5'-20 5'	TPH	N/A	418 1	
NPWL and Tank Characterization		BX38-A007	2082183 519	Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BX38-A007	2082183 519	Surface Soil	0-0 5'	Metals	6200	6010
		BX38-A007	2082183 519	Surface Soil	0-0 5'	SVOCs	N/A	8270

NPWL and Tank
Characterization

IBSS Group	IBSS PAC/UBC Site	Location Code	Bottom	Northing	Media	Depth Interval	Analyte	On Site Method	Off Site Laboratory Method
		BX38-B007	2082183 519	749123 099	Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec
		BX38-B007	2082183 519	749123 099	Subsurface Soil	0 5'-2 5'	Metals	6200	6010
		BX38-B007	2082183 519	749123 099	Subsurface Soil	0 5'-2 5'	SVOCs	N/A	8270
		BX38-B007	2082183 519	749123 099	Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
		BX38-D007	2082183 519	749123 099	Subsurface Soil	4 5'-6 5'	Radionuclides	HPGe	Alpha Spec
		BX38-D007	2082183 519	749123 099	Subsurface Soil	4 5'-6 5'	Metals	6200	6010
		BX38-D007	2082183 519	749123 099	Subsurface Soil	4 5'-6 5'	SVOCs	N/A	8270
		BX38-D007	2082183 519	749123 099	Subsurface Soil	4 5'-6 5'	VOCs	8260	8260
		BX38-K007	2082183 519	749123 099	Subsurface Soil	18 5'-20 5'	Radionuclides	HPGe	Alpha Spec
		BX38-K007	2082183 519	749123 099	Subsurface Soil	18 5'-20 5'	VOCs	8260	8260
		BX38-K007	2082183 519	749123 099	Subsurface Soil	18 5'-20 5'	TPH	N/A	418 1
		BX38-K012	2082197 719	749145 187	Subsurface Soil	18 5'-20 5'	Radionuclides	HPGe	Alpha Spec
		BX38-K012	2082197 719	749145 187	Subsurface Soil	18 5'-20 5'	VOCs	8260	8260
		BX38-K012	2082197 719	749145 187	Subsurface Soil	18 5'-20 5'	TPH	N/A	418 1
		BX38-K016	2082184 308	749107 321	Subsurface Soil	18 5'-20 5'	Radionuclides	HPGe	Alpha Spec
		BX38-K016	2082184 308	749107 321	Subsurface Soil	18 5'-20 5'	VOCs	8260	8260
		BX38-K016	2082184 308	749107 321	Subsurface Soil	18 5'-20 5'	TPH	N/A	418 1
		BX38-K013	2082181 153	749145 187	Subsurface Soil	18 5'-20 5'	Radionuclides	HPGe	Alpha Spec
		BX38-K013	2082181 153	749145 187	Subsurface Soil	18 5'-20 5'	VOCs	8260	8260
		BX38-K013	2082181 153	749145 187	Subsurface Soil	18 5'-20 5'	TPH	N/A	418 1
Tank Characterization		BX38-K014	2082166 953	749145 976	Subsurface Soil	18 5'-20 5'	Radionuclides	HPGe	Alpha Spec
		BX38-K014	2082166 953	749145 976	Subsurface Soil	18 5'-20 5'	VOCs	8260	8260
		BX38-K014	2082166 953	749145 976	Subsurface Soil	18 5'-20 5'	TPH	N/A	418 1
		BX38-K015	2082168 531	749106 532	Subsurface Soil	18 5'-20 5'	Radionuclides	HPGe	Alpha Spec
		BX38-K015	2082168 531	749106 532	Subsurface Soil	18 5'-20 5'	VOCs	8260	8260
		BX38-K015	2082168 531	749106 532	Subsurface Soil	18 5'-20 5'	TPH	N/A	418 1
		BX38-K017	2082198 508	749106 532	Subsurface Soil	18 5'-20 5'	Radionuclides	HPGe	Alpha Spec
		BX38-K017	2082198 508	749106 532	Subsurface Soil	18 5'-20 5'	VOCs	8260	8260
		BX38-K017	2082198 508	749106 532	Subsurface Soil	18 5'-20 5'	TPH	N/A	418 1
		BX38-K018	2082198 508	749068 667	Subsurface Soil	18 5'-20 5'	Radionuclides	HPGe	Alpha Spec
		BX38-K018	2082198 508	749068 667	Subsurface Soil	18 5'-20 5'	VOCs	8260	8260

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IISS Group	IISS/PAC/UBC Site	Location Code	Baseline	Noting	Media	Depth Interval	Analyte	On Site Method	Off Site Laboratory Method
		BX38-K018	2082198 508	749068 667	Subsurface Soil	18 5'-20 5'	TPH	N/A	418 1
		BX38-K019	2082185 886	749071 034	Subsurface Soil	18 5'-20 5'	Radionuclides	HPGe	Alpha Spec
		BX38-K019	2082185 886	749071 034	Subsurface Soil	18 5'-20 5'	VOCs	8260	8260
		BX38-K019	2082185 886	749071 034	Subsurface Soil	18 5'-20 5'	TPH	N/A	418 1
		BX38-K020	2082164 587	749071 034	Subsurface Soil	18 5'-20 5'	Radionuclides	HPGe	Alpha Spec
		BX38-K020	2082164 587	749071 034	Subsurface Soil	18 5'-20 5'	VOCs	8260	8260
		BX38-K020	2082164 587	749071 034	Subsurface Soil	18 5'-20 5'	TPH	N/A	418 1
		BX39-K014	2082165 376	749183 841	Subsurface Soil	18 5'-20 5'	Radionuclides	HPGe	Alpha Spec
		BX39-K014	2082165 376	749183 841	Subsurface Soil	18 5'-20 5'	VOCs	8260	8260
		BX39-K014	2082165 376	749183 841	Subsurface Soil	18 5'-20 5'	TPH	N/A	418 1
		BX39-K015	2082179 575	749183 052	Subsurface Soil	18 5'-20 5'	Radionuclides	HPGe	Alpha Spec
		BX39-K015	2082179 575	749183 052	Subsurface Soil	18 5'-20 5'	VOCs	8260	8260
		BX39-K015	2082179 575	749183 052	Subsurface Soil	18 5'-20 5'	TPH	N/A	418 1
		BX39-K016	2082198 508	749182 263	Subsurface Soil	18 5'-20 5'	Radionuclides	HPGe	Alpha Spec
		BX39-K016	2082198 508	749182 263	Subsurface Soil	18 5'-20 5'	VOCs	8260	8260
		BX39-K016	2082198 508	749182 263	Subsurface Soil	18 5'-20 5'	TPH	N/A	418 1
		BY38-A009	2082526 675	749122 310	Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BY38-A009	2082526 675	749122 310	Surface Soil	0-0 5'	pH	N/A	9045
		BY38-A010	2082528 252	749084 444	Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BY38-A010	2082528 252	749084 444	Surface Soil	0-0 5'	pH	N/A	9045
		BY38-A008	2082463 566	749117 577	Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BY38-A008	2082463 566	749117 577	Surface Soil	0-0 5'	pH	N/A	9045
Valve Vault 16 Characterization		BZ38-A000	2082558 229	749104 955	Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BZ38-A000	2082558 229	749104 955	Surface Soil	0-0 5'	pH	N/A	9045
		BZ38-A001	2082559 807	749068 667	Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BZ38-A001	2082559 807	749068 667	Surface Soil	0-0 5'	pH	N/A	9045
		BY38-A011	2082410 712	749130 987	Surface Soil	0-0 5'	Radionuclides	HPGe	Alpha Spec
		BY38-A011	2082410 712	749130 987	Surface Soil	0-0 5'	Metals	6200	6010
		BY38-A011	2082410 712	749130 987	Surface Soil	0-0 5'	SVOCs	N/A	8270
		BY38-B011	2082410 712	749130 987	Subsurface Soil	0 5'-2 5'	Radionuclides	HPGe	Alpha Spec

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THSS Group	THSS/PAC/UBG Site	Location Code	Boring	Northing	Media	Depth Interval	Analyte	On Site Method	Off Site Laboratory Method
		BY38-B011	2082410 712	749130 987	Subsurface Soil	0 5'-2 5'	Metals	6200	6010
		BY38-B011	2082410 712	749130 987	Subsurface Soil	0 5'-2 5'	SVOCs	N/A	8270
		BY38-B011	2082410 712	749130 987	Subsurface Soil	0 5'-2 5'	VOCs	8260	8260
		BY38-D011	2082410 712	749130 987	Subsurface Soil	4 5'-6 5'	Radionuclides	HPGe	Alpha Spec
		BY38-D011	2082410 712	749130 987	Subsurface Soil	4 5'-6 5'	Metals	6200	6010
		BY38-D011	2082410 712	749130 987	Subsurface Soil	4 5'-6 5'	SVOCs	N/A	8270
		BY38-D011	2082410 712	749130 987	Subsurface Soil	4 5'-6 5'	VOCs	8260	8260
		BY38-D011	2082410 712	749130 987	Subsurface Soil	4 5'-6 5'	VOCs	8260	8260

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IHSS Group 400-7 Maps

Location of Existing Sample Results Above Detection Limits or Background Levels
Collected at IHSS Group 400-7

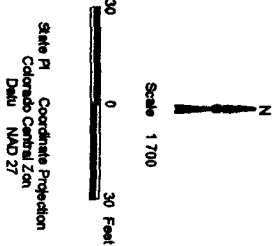
FY2002 Sampling Locations for IHSS Group 400-7

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FY 2002 Sampling Locations
for IHSS Group 400-7
(UBC 442, IHSS 121
157 1 and 187)

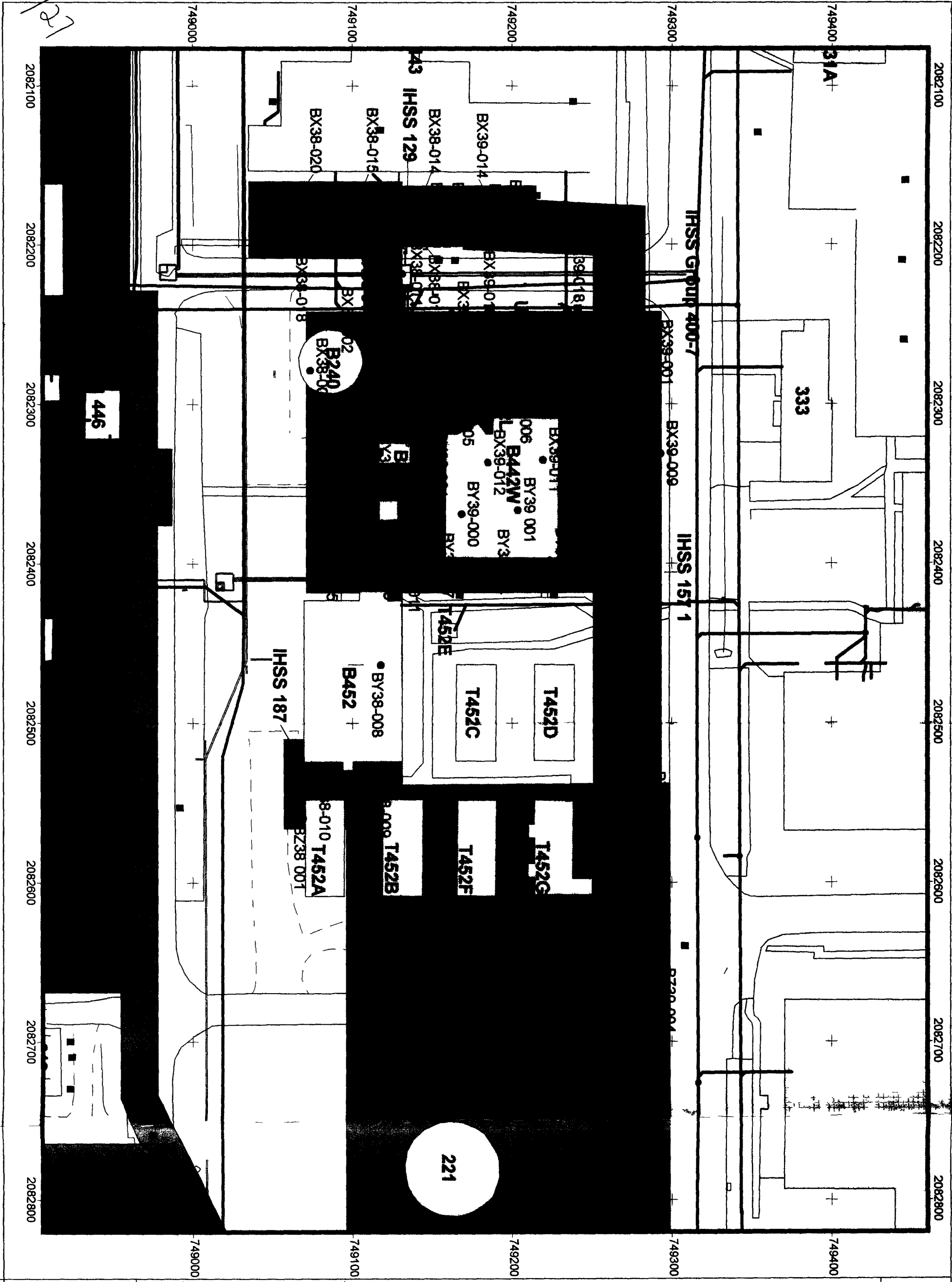
KEY

- PAC
- UBC
- Building
- Statistical Sampling Locations
- Biased Sampling Locations
- NPWL
- Sewer Line
- Paved Area
- Dirt Road
- Stream ditch or other drainage
- IHSS Group
 - 000-3
 - 400-3
 - 400-5
 - 400-6
 - 400-7
- Existing soil sampling location (50-ft buffer)
 - Both subsurface and surface soil
 - Subsurface soil
 - Surface soil



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Rocky Flats Environmental Technology Site

Prepared by

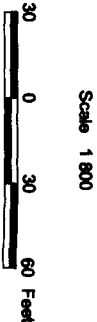


2/1/01

Location of Existing Sample Results Above Detection Limits or Background Values for IHSS Group 400-7 (UBC 442 IHSSs 129 157 1 and 187)

KEY

- UBC
- Building
- Dirt Road
- Stream Ditch or Other Drainage
- Paved Area
- Sampling Locations
- Existing Data Location
- IHSS Group
 - 000-3
 - 400-6
 - 400-7



State Plane Coordinate Projection
Colorado Central Zone
Datum NAD 27

U S Department of Energy
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Prepared for



K&L HILL

400-Testingnewsptr

March 2002

Analyte	Result	Result uni	Bgm 2sd	Tier1 al	Tier2 al
Americium-241	0 04626	pCi/g	0 02	215	38
Uranium 235	0 1223	pCi/g	0 12	135	24
Uranium-238	5 2649	pCi/g	1 49	586	103
Uranium-234	3 242	pCi/g	2 64	1738	307

Analyte	Result	Result uni	Bgm 2sd	Tier1 al	Tier2 al
Uranium-238	1 788	pCi/g	1 49	586	103
Uranium-234	1 98	pCi/g	2 64	1738	307

Analyte	Result	Result uni	Bgm 2sd	Tier1 al	Tier2 al
Lead	38 2	mg/Kg	24 96	1000	1000

Analyte	Result	Result uni	Bgm 2sd	Tier1 al	Tier2 al
Lead	13 1	mg/Kg	54 62	1000	1000

Analyte	Result	Result uni	Bgm 2sd	Tier1 al	Tier2 al
Lead	10	mg/Kg	24 96	1000	1000